

What is claimed is:

1. An optical glass having optical constants of a refractive index ( $n_d$ ) within a range from 1.75 to 1.85 and an Abbe number ( $\nu_d$ ) within a range from 35 to 45 and comprising, said optical glass being free of  $\text{Yb}_2\text{O}_3$ ,  $\text{Y}_2\text{O}_3$  and  $\text{TeO}_2$ , in mass % on the basis of the oxides:

$\text{SiO}_2 + \text{B}_2\text{O}_3$	16.5 – less than 30%
in which $\text{SiO}_2$	1 – 7.5%
$\text{B}_2\text{O}_3$	15.5 – 25%
$\text{La}_2\text{O}_3$	25 – 40%
$\text{ZrO}_2$	1.5 – 10%
$\text{Nb}_2\text{O}_5$	1 – 15%
$\text{Ta}_2\text{O}_5$	1 – 10%
$\text{WO}_3$	1 – 10%
$\text{ZnO}$	15.5 – 30%
$\text{Li}_2\text{O}$	0.6 – 5%.
$\text{Sb}_2\text{O}_3$	0 – 1%

said optical glass having a transition point ( $T_g$ ) within a range from 500°C to 590°C and a yield point ( $A_t$ ) within a range from 530°C to 630°C, and being free from devitrification in a devitrification test conducted under a condition of 950°C/2 hours.

2. An optical glass having optical constants of a refractive index ( $n_d$ ) within a range from 1.75 to 1.85 and an Abbe number ( $\nu_d$ ) within a range from 35 to 45 and comprising, said optical glass being free of  $\text{Yb}_2\text{O}_3$ ,  $\text{Y}_2\text{O}_3$  and  $\text{TeO}_2$ , in mass % on the basis of the oxides:

$\text{SiO}_2 + \text{B}_2\text{O}_3$	16.5 – 29.5%
in which $\text{SiO}_2$	1 – less than 6%
$\text{B}_2\text{O}_3$	15.5 – 25%
$\text{La}_2\text{O}_3$	25 – 40%

ZrO <sub>2</sub>	2 – 6.5%
Nb <sub>2</sub> O <sub>5</sub>	3 – 12%
Ta <sub>2</sub> O <sub>5</sub>	1 – 8%
WO <sub>3</sub>	more than 5% – 10%
ZnO	17 – 28%
Li <sub>2</sub> O	0.6 – 3%
GeO <sub>2</sub>	0 – 5%
TiO <sub>2</sub>	0 – 5%
Al <sub>2</sub> O <sub>3</sub>	0 – 1%
BaO	0 – 1%
Sb <sub>2</sub> O <sub>3</sub>	0 – 1%.

3. An optical glass as defined in claim 2 having a transition point (T<sub>g</sub>) within a range from 500°C to 590°C and a yield point (At) within a range from 530°C to 630°C, and being free from devitrification in a devitrification test conducted under a condition of 950°C/2 hours.

4. An optical glass as defined in claim 1 wherein difference in temperature At – T<sub>g</sub> between the yield point and the transition point is 30 – 60°C.

5. An optical glass as defined in claim 2 wherein difference in temperature At – T<sub>g</sub> between the yield point and the transition point is 30 – 60°C.

6. An optical glass as defined in claim 3 wherein difference in temperature At – T<sub>g</sub> between the yield point and the transition point is 30 – 60°C.